Ministry of
Northern Development
and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

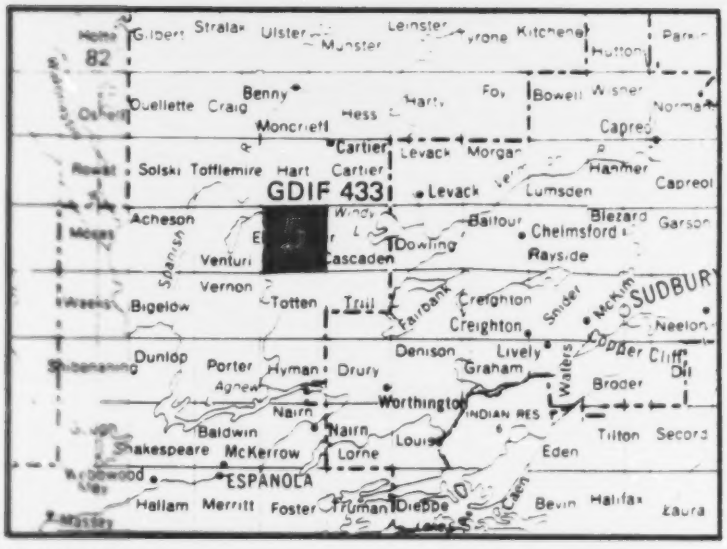
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 433

ERMATINGER TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

88-02298/

NTS Number 41 I/12

Mining Claim Map Number M.791

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1988: Ermatinger Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 433, compiled by the staff of the Resident Geologist's Office in Sudbury, 19p. and 2 maps.

Original Compilation by: Jerome, Lucille, August, 1987

Date	Page Revised	Revised by

Date	Page Revised	Revised by

TABLE OF CONTENTS

Data Sources Checklist 1

Metals and Minerals Reference List 2

Mineral Occurrences 3

Type of Work 4

Drill Hole Summary 6

Airborne Geophysical Survey Data 7

Geochemical Survey Data 8

Miscellaneous Data 10

Newspaper Clipping File 11

ODM General Index Search 12

Selected References 14

Notes and Addenda 18

Aerial Photographs Index

ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	L.J.
2	Assessment Files Research Office, Toronto	N.A.	L.J.
3	ODM General Index; 9 Volumes	Yes	L.J.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	L.J.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	L.J.
6	ODM Industrial Mineral Reports	No	L.J.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	L.J.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	L.J.
9	Newspaper Clippings File	Yes	L.J.
10	GSC Index to Publications	Yes	L.J.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	L.J.
12	OGS Index Maps	Yes	L.J.
13	Source Mineral Deposit Records (O.G.S.)	Yes	L.J.
14	Author - Subject Articles File	Yes	L.J.
15	Miscellaneous Papers: ODM & OGS	Yes	L.J.
16	ODM Geological Circulars: OGS Study Series	Yes	L.J.
17	ODM Preliminary Reports: ODM Bulletins	No	L.J.
18	ODM – OGS Open File Reports	Yes	L.J.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	L.J.
20	OGS Aggregate Resources Inventory Papers	No	L.J.
21	OGS Mineral Potential Maps	Yes	L.J.
22	Theses on File, Sudbury	Yes	L.J.
23	Aerial Photographs on File, Sudbury	Yes	L.J.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- ▲ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- △ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- △ gn. . . . . .Galena
- △ gt . . . . . .Garnet
- △ goe . . . . . .Goethite
- △ Au . . . . . Gold
- △ gf. . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . .Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- △ mag . . . . . .Magnetite
- △ mc . . . . . .Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . .Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . .Millerite
- △ mo . . . . . .Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- ▲ po . . . . . .Pyrrhotite
- △ q . . . . . .Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . .Shale
- △ sid . . . . . Siderite
- △ si . . . . . .Silica
- △ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . .Sphalerite
- △ spd . . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- ▲ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- ▲ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . .Zinc
- △ zr. . . . . Zircon

S. . . . . .Sulphide
cv. . . . . .Covellite

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Balboa Occurrence Pumphouse Creek	U, Th	U2	MDC 25, p. 102	
B	Balboa Occurrence Alcourt Mines Ltd.	U	U1	MRC 9, pp. 71-72	GR 1, pp. 20-21
C	Dumont Occurrence (See Note No. 1, p. 9)	cp, po, py	--	MRC 12, p. 275	

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Green, R. (Ermatinger 0011-A1)			82	82															
1	Green, R. (Ermatinger 0013-A1)				83															
1	Green, R. (Ermatinger 0014-A1)				84															
2	Noranda Mines Ltd. (Cascaden 0019)	53										53[1]								
3	Arcadia Nickel Mines Ltd., Rosen, A. (Ermatinger 0010-A1)				57															
4	Consolidated Morrison Explorations Ltd. (Baldwin 0048)								74[1]		74									
5	Alcourt Mines Ltd. (Ermatinger 0011-C1)	57						57												
6	Alcourt Mines Ltd. (Ermatinger 0011-C1)			57	57	57														
6	Alcourt Mines Ltd. (Ermatinger 0011-B1)				59															
7	Balboa "U" Mines Ltd. (Ermatinger 0010-C1)							68												
8	Balboa "U" Mines Ltd. (Ermatinger 0012)			67		67								67						

GDIF FORM NO. 2

ERMATINGER TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
9	Balboa "U" Mines Ltd. (Ermatinger 0010-B1)				68	68														
10	Prosco Ltd. (Baldwin 0047-A1)							57												
11	Dumont, A. (Baldwin 0047-A1)			56																

[1] No significant anomaly

GDIF FORM NO. 2

5

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Green, R.	A-1	1982	270	70	0	136	cp, py, po	
1		A-2	1982	270	60	0	26	py	
1		A-3	1983	?	70	0	56	py, hem, cp	
1		A-4	1983	?	65	0	107	py, cp, ep	
1		A-5	1984	?	65	0	123	sulphides	
2	Arcadia Nickel Mines Ltd., Rosen, A.	M-2	1957	200	45	8	1199		
3	Alcourt Mines Ltd.	1	1957	160	40	0	120		U
3		1A	1959	Continuation of No. 1 (1957)			240		U
3		2	1959	?	60	2	180		U
3		3	1959	?	45	2	254		U
3		4	1959	?	70	3	259		
3		5	1959	?	45	3	188		
4	Balboa "U" Mines Ltd.	1	1968	135	80	14	890	py	U, Th
4		2	1968	135	45	15	337		U, Th
4		3	1968	135	45	7	563	py	U, Th

ERMATINGER TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
4	Aerodat Limited Consolidated Morrison Explorations Ltd.	Airborne Magnetic Airborne Radiometric	175'	SE/NW	660'

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

ERMATINGER TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

Note No. 1: Prior to 1957, Mr. A. Dumont owned a group of 14 claims in Ermatinger Township. Five pits and some trenches were dug on the property. Chalcopyrite, pyrite and pyrrhotite are present in the pit workings. (Ref.: Assessment File Baldwin 0047).

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Balboa "U" Mines Ltd.

Northern Miner March 28, 1968

GDIF FORM NO. 7

ERMATINGER TOWNSHIP

ODM GENERAL INDEX SEARCH

Words searched:

ALCOURT MINES LTD.
ARCADIA NICKEL MINES LTD.
ARMSTRONG LAKE
BALBOA "U" MINES LTD.
CONSOLIDATED MORRISON EXPLORATIONS LTD.
DUMONT, A.
ERMATINGER TOWNSHIP
GREEN, R.
MINISTIC LAKE
NORANDA MINES LTD.
PLUM URANIUM & METAL MINING LTD.
PROSCO LTD.

Index Volume	Listing:	Report Volume	Part	Page
1	Ermatinger Tp., Sud.			
	Diabase dikes	1		76
1	Ministic Lake, Ermatinger Tp.			
	Diabase dikes	1		76
5	Plum Uranium and Metal Mining Ltd.			
	Incorporated	63	1	58
6	Alcourt Mines Ltd.			
	Incorporated	65	1	32
6	Consolidated Morrison Explorations Ltd.			
	Change of name	65	1	38
	Morrison s. m. reverted to	65	2	131
6	Prosco Ltd.			
	Incorporated	67	1	32, 33
7	Alcourt Mines Ltd.			
	Uranium claims, report on	GR1		20, 21
	Sketch map with	GR1		
7	Ermatinger Township, Sud.			
	Rocks	GR1		8-11
	Uranium mining property	GR1		20
	Sketch map with	GR1		
8	Alcourt Mines Ltd.			
	Ermatinger Tp., Sudbury Dist.			
	mining property, report on	MRC9		71-72
8	Ermatinger Tp., Sudbury Dist.			
	Uranium	MRC9		71-72

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

PUMPHOUSE CREEK
ROSEN, A.
WEEQUED LAKE

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D.	1965,67	Cartier Sheet	Map P.287	1" = 2 miles
Card, K. D., Lumbers, S. B.	1974,75	Sudbury-Cobalt Geological Compilation (revised)	O.G.S. Map 2361	1" = 4 miles
Choudhry, A. G.	1983	Precambrian Geology of Ermatinger Township	P.2600	1" = ¼ mile
Dressler, B. O.	1984	Sudbury Geological Compilation	O.G.S. Map 2491	1:50,000
	1983	Sudbury Mining Area - West Part	Map P.2602	1:50,000
		GEOPHYSICAL MAPS		
G.S.C. - O.D.M.	1965	Aeromagnetic Map - Cartier	1524G	1" = 1 mile
Gupta, V. K.	1981	Bouguer Gravity and Generalized Geological Map of the Sudbury-Onaping Lake Area	O.G.S. Map P.2482	1:100,000
O.D.M. - G.S.C.	1965	Aeromagnetic Map - Sudbury Sheet	7067G	1" = 4 miles
	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey, Sudbury	Map P.1610	1:250,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
E.M.R.	1975	Topographic Map, Cartier		1:50,000
Gartner, J. F.	1980	N.O.E.G.T.S. Data Base Map, Cartier	Map 5000	1:100,000
	1980	N.O.E.G.T. Study 94, Cartier Area		
	1980	N.O.E.G.T.S. General Construction Capability Map, Cartier	Map 5004	1:100,000
Sado, E. V., Carswell, B.F.	1987	Surficial Geology of Northern Ontario	O.G.S. Map 2518	1:1,200,000

(OFR 1788 NO.4)

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Robertson, J. A.	1982	Uranium and Thorium Deposits of Ontario, East Central Sheet	O.G.S. Map P.2426	1" = 16 miles
Springer, J.	1977	Ontario Mineral Potential, Northern Part of Sudbury Sheet and Part of North Bay Sheet	O.G.S. Map P.1512	1:250,000
		GEOCHEMICAL MAPS		
		No data available August 17, 1987		
		GEOLOGICAL REPORTS AND MAPS		
Adlington, R.	1982	Ermatinger Township - Sudbury Data Series	Map P.2544	1" = ¼ mile
Bell, R.	1893	Explorations North of the Manitoulin Island Sheet, Ontario	G.S.C. AR	pp. 33-39
Card, K. D.	1975	Geology of the Panache Lake Area, Dist. of Sudbury and Manitoulin	OFR 5123	
Card, K. D., Innes, D. G., and Debicki, R. L.	1977	Stratigraphy, Sedimentology and Petrology of the Huronian Supergroup in the Sudbury-Espanola Area	O.G.S. Study 16	
Choudhry, A. G.	1984	Geology of Hart, Ermatinger and Totten Townships	OFR 5525 Map 2600	1" = ¼ mile
Fralick, P. W., Miall, A. D.	1982	Sedimentology of Huronian Deposits, Including Uranium Bearing Rocks, Grant No. 84	OFR 5375	
Robertson, J. A.	1968	Uranium and Thorium Deposits of Northern Ontario	MRC9	pp. 71-72
	1981	The Uranium Deposits of Ontario - Their Distribution and Classification	MP86	

GDIF FORM NO.

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Robertson, J. A. and Gould, K. L.	1983	Uranium and Thorium Deposits of Northern Ontario	MDC 25	
Roscoe, S. M.	1969	Huronian Rocks and Uraniferous Conglomerates in the Canadian Shield	G.S.C. Paper 68-40	
Shklanka, R., Editor	1969	Copper, Nickel, Lead and Zinc Deposits of Ontario	MRC 12	p. 275
Thomson, J. E.	1960	Uranium and Thorium Deposits at the Base of the Huronian System in the District of Sudbury	GR1	
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Boissonneau, A. N.	1968	Glacial History of Northeastern Ontario II. The Timiskaming-Algoma Area	C.J.E.S. Vol. 5	pp. 97-109
Card, K. D.	1959	The Uranium Bearing Huronian Sediments of the Sudbury District; B.Sc., Queen's University	MP2	
Cooke, H. R.	1951	Sulphide Deposits West of Sudbury; B.Sc., Queen's University	MP2	
Hadley, D. G.	1968	The Sedimentology of the Huronian Formation Ontario and Quebec	Sudbury Theses File	
Lindsey, D. A.	1969	Glacial Sedimentology of the Precambrian Gowganda Formation, Ontario, Canada	Geol. Soc. Amer. Bull. 80	pp. 1685-1702
McLennan, S. M., Fryer, B. J., and Young, G. M.	1979	The Geochemistry of the Carbonate-Rich Espanola Formation (Huronian) with Emphasis on Rare Earth Elements	C.J.E.S. Vol. 16	pp. 230-239

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Siemiatkowska, K. M.	1970	Bibliography of Huronian Geology Covering the Region from Sault Ste. Marie to the Grenville Front	Sudbury Theses File	
Young, G. M.	1973	Origin of the Carbonate-Rich Early Proterozoic Espanola Formation, Ontario	Geol. Soc. Amer. Bull., Vol. 84	pp. 135-160
	1981	The Early Proterozoic Gowganda Formation, Ontario, Canada. Earth's Pre-Pleistocene Glacial Record	Cambridge University Press	pp. 807-812
Young, G. M., and Nesbitt, H. W.	1985	The Gowganda Formation in the Southern Part of the Huronian Outcrop Belt, Ontario, Canada: Stratigraphy, Depositional and Regional Tectonic Significance	Precambrian Research, Vol. 29	pp. 265-301

NOTES AND ADDENDA

AERIAL PHOTOGRAPHS INDEX

Scale 1" = ½ mile

Sudbury Files

Year	Roll	Line	Number
1977	88	4626	8 - 14
	88	4625	5 - 11
	88	?	127 - 133
	89	4624	180 - 184
	89	4623	141 - 147
1973	19	4626	37 - 45
	19	4625	95
	18	4624	237
	18	4623	236
	17	4623	242
1959	61	4624	67 - 70

GDIF FORM NO.10

HART

VENTURI

CASCADEN

Centre Creek

Creek

46° 37' 00"

81° 41' 00"

Pumphouse

John

Weequed Lake

Ministic

Ontario

Ministry of Northern Dev and Mines

Sean Conway, Minist

ONTARIO GEOLOGICA

PROPERTY LOCAT

GEOLOGICAL DATA INVENT

(Map 1 of 2

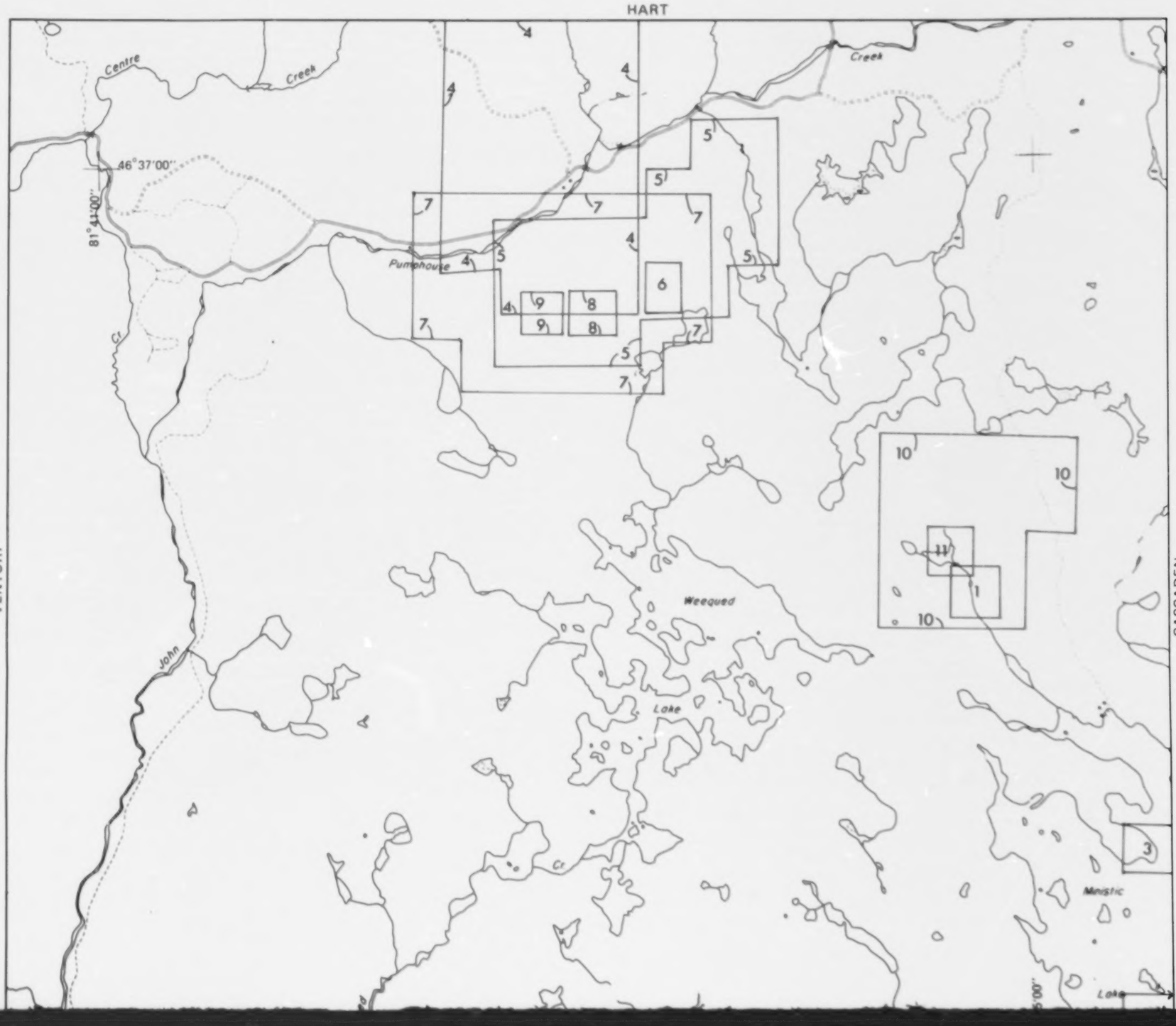
DISTRICT OF SUD

ERMATINGER T

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0



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Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 433

(Map 1 of 2)

DISTRICT OF SUDBURY

ERMATINGER TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 Mile

DISTRICT OF SUD

ERMATINGER T

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0

VENTURI

CASCADEN

John

Weequed

Lake

Weequed

Ministic

Lake

Armstrong

Lake

81°35'00"

46°33'00"

TOTTEN

EXPLORATION DATA

Reference number is always
See listing in text pages.

Small area exploration.

DISTRICT OF SUDBURY

ERMATINGER TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 Mile

VENTURI

CASCADEN

TOTTEN

Weequed Lake

Armstrong Lake

Ministic Lake

81°35'00"

46°33'00"

EXPLORATION DATA FILE AREAS

■ 1 6 — Reference number is always inside work area outlined. See listing in text pages.

□ x 4 — Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

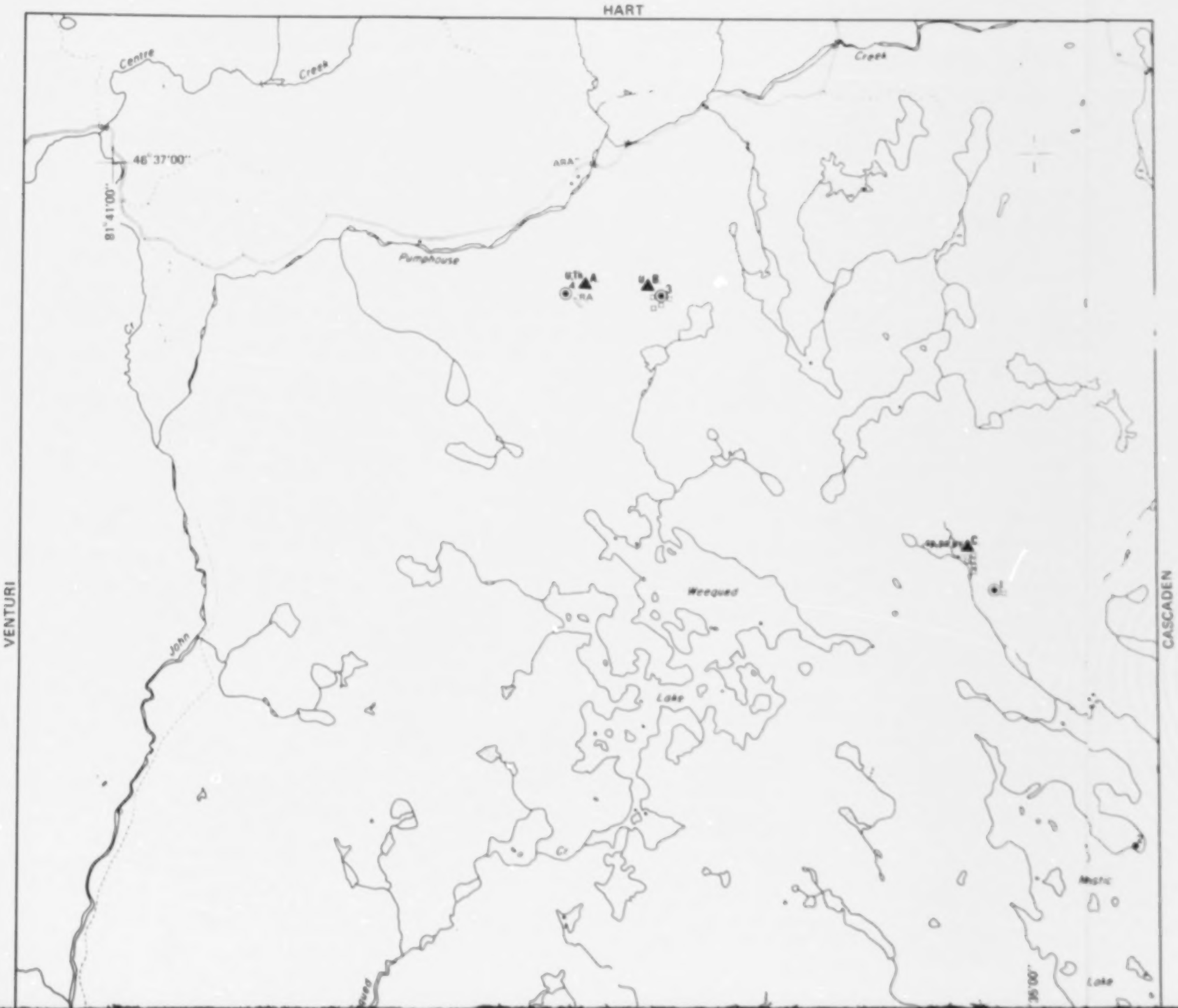
- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM - Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry
- Adit
- Surface workings

HART

VENTURI



Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 433

(Map 2 of 2)

DISTRICT OF SUDBURY

ERMATINGER TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A — Mineral occurrence at surface, with reference letter
- Au A 84 — Mineral occurrence with shaft, depth given with reference letter
- Ag A — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A — Mineralized float with reference letter

DRILLHOLE

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number
- 2 — Drillhole, exact location uncertain, with reference number

GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ■ ARA — Airborne radiometric anomaly
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- ☐ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM
  Crone Em - 16)
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- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Rock quarry
- ☐ Adit
- ☐ Sand and or gravel pit
- ☐ Open pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations

VENTURI

GEOLOGICAL DATA INVENTORY FOLIO 433

(Map 2 of 2)

DISTRICT OF SUDBURY

ERMATINGER TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

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- Au A 84 — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

DRILLHOLE

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number
- ?2 — Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- 2 — Property with drillholes which have not been plotted on map, with reference number
- 2 — Reverse circulation drillhole; churn drilling, with reference number